

Appendix 2
Abbreviations and Acronyms

For

**Information Management and
Communications Support (IMCS)**

Certain terms, acronyms, and abbreviations used in this contract are listed and defined below. This section is informational only. If and to the extent any definition contained below conflicts with any other portion of the contract, the other portion of the contract shall prevail.

45 SW	45 th Space Wing
A&E	Architectural and Engineering
A/G	Air-to-Ground
aAAO	Associate Account Authorization Official
AACR2	Anglo-American Cataloguing Rules
AC	Access Control
ACA	Associate Contractor Agreement
ACL	Access Control List
AEC	Automatic Exposure Control
AER	Azimuth, Elevation, and Range
AF	Air Force
AFB	Award Fee Board
AFFARS	Air Force Federal Acquisition Regulation Supplement
AFMAN	Air Force Manual
AFMC	Air Force Material Command
AFSPC	Air Force Space Command
AMS	Acquisition Management System
ANI/ALI	Automatic Number Identification/Automatic Location Identification
ANSI	American National Standards Institute
AO	Authorizing Official
AOE	Area of Emphasis
ARC	Ames Research Center
ARF	Assembly and Refurbishment Facility
ARRI	Arriflex Camera
ARS	Administrative Radio System
ASA	American Standards Association
ASI	Asynchronous Serial Interface
ASCII	American Standard Code for Information Interchange
ASCS	Agency Security Configuration Standards
ASQ	American Society for Quality
ASQC	American Society for Quality Control
ASRS	Automated Support Requirements System
ASUS	Agency Security Update System
ATM	Asynchronous Transfer Mode
ATO	Authority To Operate
ATOTS	Advanced Transportable Optical Tracking System
ATSC	Advanced Television Systems Committee
ATV	Asset Transition Value
ATXS	ATM Transmission System
A/V	Audio/Visual
AWG	American Wire Gage

AZ	Azimuth
B/U	Back Up
BCDS	Broadband Communications Distribution System
BCI	Baseline Configuration Imaging
BICSI	Building Industry Consulting Service International
BIM	Base Interface Module
bps	Bits Per Second
BSP	Betacam Superior Play
C&A	Certification and Accreditation
C&T	Communications and Tracking
CAD	Computer Aided Design
	Computer Aided Drafting
CAD-RMS	Computer Aided Dispatch - Report Management System
CAM	Control and Acquisition Module
CAMS	Circuit Assignment Management System
CAS	Code Activated Switch
CASB-CMA	Cost Accounting Standards Board – Cost of Money - Facilities
CBA	Collective Bargaining Agreement
CBACS	Common Badging and Access Control System
CBT	Computer Based Training
CCAFS	Cape Canaveral Air Force Station
CCB	Configuration Control Board Change Control Board
CCC	Complex Control Center
CCD	Charged Coupled Device
CCF	Converter Compressor Facility
CCSMO	Cape Canaveral Space Management Office
CCTV	Closed-circuit television
CCU	Camera Control Unit
CD	Compact Disk
CD&SC	Central Distribution and Switching Center
CDL	Commercial Driver's License
CDR	Critical Design Review
CDVS	Combined Data/Video Switch
CEE	Collaborative Engineering Environment
CES/CEV	Civil Engineering Squadron / Environmental Flight
CFP	Customer Face Plate
CFR	Code of Federal Regulations
CIAO	Central Industry Administrative Office
CID	Configuration Identification Document
CIF	Central Instrumentation Facility
CIL	Critical Items List
CIO	Chief Information Officer
CITE	Cargo Integrated Test Equipment
CITSM	Center IT Security Manager

CLASS	Custom Local Area Signaling Service
CLIN	Contract Line Item Number
CLS	Contingency Landing Site
CM	Configuration Management
Cm	Centimeters
CM&S	Communications Maintenance and Storage
CMDS	Configuration Management Data System
CMMI	Capability Maturity Model Integration
CMR	Communications Material Review
CO	Central Office
CO	Contracting Officer
COAM	Customer Owned and Maintained
CoF	Construction of Facilities
COF	Center Operations Facility
CoFR	Certificate of Flight Readiness
COLD	Computer Output Laser Disk
COMSEC	Communications Security
CONUS	Continental United States
COOP	Continuity of Operations Plan
CORRS	CWDM Optical Remultiplexer and Regenerating System
COTR	Contracting Officer's Technical Representative
COTS	Commercial Off-the-Shelf
CP	Check Print (no color or density corrections)
CR	Change Request
CRF	Canister Rotation Facility
CSLA	Contract Service Level Agreement
CSN	Central Summing Network
CSR	Customer Service Request
CSR	Computer Sciences Raytheon
CSC	Customer Support Center
CSU	Customer Service Unit
CT	Crawler Transporter
CTC	Camera Terminal Cabinet
CTV	Compatibility Test Van
CV	Contract Value
CWDM	Course Wave Division Multiplexers
CX	Complex
CXT	Cross Connect Terminal
CY	Calendar Year
CYS	Copies
D/N	Dupe Negative
DART	Damage Assessment and Recovery Team
DART	Days Away From Work, Restricted Work Activity, and Job Transfer Rate
DBM	Milliken Camera
DCAA	Defense Contract Audit Agency

DCMA	Defense Contract Management Agency
DD	Data Depository
DEG	Degree
DFRC	Dryden Flight Research Center
DFUM	Directorate Facilities Utilization Manager
DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name System
DO	Delivery Order
DOAMS	Distant Objective Attitude Measurement System
DoD	Department of Defense
DOE	Department of Energy
DOL	Day of Launch
DOL	Department of Labor
DOLILU	Day-Of-Launch Initialization Load Update
DOT	Department of Transportation
DPAS	Defense Priorities and Allocation System
dpi	Dots per Inch
DR	Disaster Recovery
DR	Data Requirement
DR	Discrepancy Report
DRA	Document Release Authorization
DRD	Data Requirement Description
DRL	Data Requirements List
DRS	Direct Radio System
DS	Digital Signal
DSL	Digital Subscriber Line
DSU	Data Service Unit
DTE	Data Transmission Equipment
DTMF	Dual Tone Multi-Frequency
DTV	Digital Television
DV	Digital Video
DVD	Digital Versatile Disc
DVR	Digital Video Recorder
DVTS	Digital Video Transmission System
ECN	Equipment Control Number
ECWG	Export Control Working Group
EDC	Engineering Data Center
EDRS	Electronic Drawing Review System
EDW	Employee Data Warehouse
EET	End-to-End Test
EI	End Instrument
EIADD	Engineering Imagery Acquisition Distribution Document
ELF	Extremely Low Frequency
ELV	Expendable Launch Vehicle
EMA	Electromagnetic Measurement and Analysis

EMC	Electromagnetic Compatibility
EMI	Electromagnetic Interference
EML	Electromagnetic Laboratory
EMS	Electronic Meeting System
ENG	Electronic News Gathering
Eng.	Engineering
EO	Engineering Order
	Executive Order
EOM	End of Mission
EP	Engineering Print (with timing)
EPA	Environmental Protection Agency
EPRT	Expected Problem Resolution Time
ER	Eastern Range
ESMD	Exploration Systems Mission Directorate
ESR	Engineering Support Request
ESS	Electronic Security Surveillance
EUT	Equipment Under Test
EWSD	Electronic Whal System Digital
EXP	Exposure
Ext.	Extension
f/s	Frames per Second
FAA	Federal Aviation Administration
FAR	Federal Acquisition Regulation
FAST	Federal Automotive Statistical Tool
FBI	Federal Bureau of Investigations
FCA	Frequency Control and Analysis
FCO	Flight Control Officer
FDDI	Fiber Data Distribution Interface
FDO	Fee Determination Official
FEP	Front-End Processor
FICA	Federal Insurance Contributions Act
FIPS	Federal Information Processing Standard
FIRMR	Federal Information Resources Management Regulations
FISMA	Federal Information Security Management Act
FLSA	Fair Labor Standards Act
FMEA	Failure Modes and Effects Analysis
FOD	Foreign Object Debris
FOT	Fiber Optic Terminal
FOTS	Fiber Optic Transmission System
FOV	Field of View
FOWB	Fiber Optic Wideband
FP	Film Productions
FPL	Florida Power and Light
fps	Frames Per Second
FR	Frame Relay

FRC	Federal Record Center
FRR	Flight Readiness Review
FSUA	Facility Space Utilization Database
FTS	Federal Telecommunications System
FUTA/SUTA	Federal and State Unemployment Tax Act
FY	Fiscal Year
G&A	General and Administrative
GAO	General Accounting Office
GB	Gigabyte
GBL	Government Bill of Lading
Gbps	Gigabit Per Second
GCAIP	Ground Camera Ascent Imagery Project
GDC	General DataComm
GFE	Government Furnished Equipment
GFP	Government Furnished Property
GFY	Government Fiscal Year
GH2	Gaseous Hydrogen
GHz	Gigahertz
GIDEP	Government/Industry Data Exchange Program
GIS	Geographic Information System
GMIP	Government Mandatory Inspection Point
GMT	Greenwich Mean Time
GORR	Ground Operations Readiness Review
GOTS	Government off the Shelf
GOWG	Ground Operations Working Group
GPA	Group Processor Assembly
GPC	Government Purchase Card
GPO	Government Printing Office
GPS	Global Positioning System
GSA	General Services Administration
GSE	Ground Support Equipment
GSFC	Goddard Space Flight Center
GSI	Government Source Inspection
GSTDN	Ground Spaceflight Tracking and Data Network
GUI	Graphical User Interface
HASBL	Hasselblad Camera
HASBL EL	Hasselblad Camera, Electric
HD	High Definition
HDRS	High Data Rate System
HDSL	High Bit Rate Digital Subscriber Line
HDTV	High-Definition Television
He	Helium
HMA	Hypergol Maintenance Area
HMF	Hypergolic Maintenance Facility

HOSC	Huntsville Operations Support Center
HP	Hewlett Packard
HQ	Headquarters
HSB	Hypergolic Support Building
HSBLD	Hasselblad Camera
HSBLD EL	Hasselblad Camera, Electric
HTML	Hyper-Text Markup Language
HUL	Hulcher Camera
HUL DF	Hulcher Camera Double Frame
HVAC	Heating, Ventilation, and Air Conditioning
I/F	Interface
I/F	Image to Frame
I/O	Input/Output
IAF	Image Analysis Facility
IATO	Initial Authority to Operate
ICAS	Institutional Computerized Archival System
ICD	Interface Control Document
ICE	Integrated Collaborative Environment
ID/IQ	Indefinite Delivery/Indefinite Quantity
IDNX	Integrated Digital Network Exchange
IDS	Intrusion Detection System
IEEE	Institute of Electrical and Electronic Engineers
IEMP	Integrated Enterprise Management Program
IF	Intermediate Frequency
IFLOT	Intermediate Focal Length Optical Tracker
IFMP	Integrated Financial Management Program
IG	Inspector General
IGOR	Intercept Ground Optical Recorder
IMCS	Information Management and Communications Support
IMS	Inventory Management System
IN	Internegative Print
IOC	Initial Operational Capability
IOMI	Integrated Operations and Maintenance Instruction
IOP	Internal Operating Procedure
IP	Internet Protocol
IP	Interpositive Film Print
IPA	Interpositive Film Print, A-Wind
IPO	Integration Project Office
IPSEC	Internet Protocol Security
IPT	Integrated Product Team
IRIG	Inter-Range Instrumentation Group
IS	Information Security
ISBN	International Standard Book Number
ISC	Institutional Services Contract
ISDN	Integrated Switched Digital Network

ISO	International Organization for Standardization
IT	Information Technology
IT&C	Information Technology and Communications Directorate
ITAR	International Traffic in Arms Regulations
ITSM	IT Security Manager
JDMTA	Jonathan Dickinson Missile Tracking Annex
JDP	Joint Documented Procedure
JHB	Joint Handbook
JOP	Joint Operating Procedure
JOSA	Joint Operating and Support Agreement
JPL	Jet Propulsion Laboratory
JSC	Johnson Space Center
KARS	Kennedy Area Recreational Services
KAS	KSC Applications System
Kbps	Kilobit per Second
KCCS	Kennedy Complex Control System
KEDS	Kennedy Engineering Documentation System
KFRL	Kennedy Forward Return Link
KICS	KSC Integrated Console Schedule
KIIS	Kennedy Integrated Imagery System
KIS	KSC Internet System
KMAN	Kennedy Metropolitan Area Network
KNET	Kennedy Institutional Network
KNPD	Kennedy NASA Policy Directive
KNPR	Kennedy NASA Procedural Requirements
KPRD	Kennedy Program Requirements Document
KSC	Kennedy Space Center
KSCNF	KSC News Facility
KSCTV	KSC Public Affairs Television
KSERP	Kennedy System Engineering Review Panel
KTM	Kineto Tracking Mount
Ku	Ku frequency band
kW	Kilowatt
LACB	Landing Aids Control Building
LAN	Local Area Network
LaRC	Langley Research Center
LBV	Low Bandwidth Video
LC	Launch Complex
LCC	Launch Control Center
	Launch Commit Criteria
LCCWG	Launch Commit Criteria Working Group
LCWG	Launch Countdown Working Group
LED	Light Emitting Diode

LETF	Launch Equipment Test Facility
LOA	Launch Operations Area
LOCC	Launch Operations Control Center
LOS	Loss of Signal
LOV	Limit/Loss of View
LPLWS	Launch Pad Lightning Warning System
LPS	Launch Processing System
LRR	Launch Readiness Review
LSE	Launch Support Equipment
LSP	Launch Services Program
MAC	Move, add, or change
MAN	Metropolitan Area Network
MB	Megabyte
Mb (Mbit)	Megabit
Mbps	Megabits per Second
MDF	Main Distribution Frame
MESC	Medical and Environmental Support Contract
MHz	Megahertz
MIDDS	Meteorological Interactive Data Display System
MILA	Merritt Island Launch Area
MIP	Mandatory Inspection Point
MIS	Management Information System
ML	Mobile Launcher
MLP	Mobile Launch Platform
mm	Millimeter
MOA	Memorandum of Agreement
MOD	Mission Operations Directorate
MOPIC	Motion Picture
MOSB	Multi Operations Support Building
MOTS	Mobile Optical Tracking System
MOU	Memorandum of Understanding
MPL	Motion Picture Laboratory
MPN	Manufacturer Part Number
MPPF	Multi-Payload Processing Facility
MS	Microsoft
MSDS	Material Safety Data Sheet
MSFC	Marshall Space Flight Center
MSR	Multi-service Switch Routing
MWO	Maintenance Work Order
N/A	Not Applicable
N/R	Not Required
NAIS	NASA Acquisition Internet Services
NAMS	NASA Account Management System
NARA	National Archives and Records Administration

NASA	National Aeronautics and Space Administration
NASCOM	NASA Communications Network
NASCOP	NASA Communications Operating Procedures
NASIRC	NASA Incident Response Center
NCAD	NASA Consolidated Active Directory
NCB	Network Configuration Board
NCC	Network Control Center
NDC	NASA Data Center
NDE	Non-Destructive Evaluation
NE	Non Exempt
NEC	Negotiated Estimated Cost
NEC	National Electrical Code
NEF	NASA Electronic Forms
NEFS	NASA Electronic Forms System
NEMS	NASA Equipment Management System
NESS	NF1018 Electronic Submission System
NF	NASA Form
NFPA	National Fire Protection Association
NFS	NASA FAR Supplement
NIMS	Network Information Management System
NISN	NASA Integrated Services Network
NIST	National Institute of Standards and Technology
NITR	NASA IT Requirement
nm	Nanometer
NOMAD	NASA Operational Messaging and Directory
NORS	NASA On-line Registration System
NOSC	NASA On-line Supply Catalog
NPD	NASA Policy and Directives
NPDMS	NASA Property Disposal Management System
NPPS	NASA Payroll/Personnel System
NPR	NASA Procedural Requirements
NRZ-L	No Return Zero-Level
NSAP1	Network Services Assurance Plan1
NSAP2	Network Services Assurance Plan2
NSMS	NASA Supply Management System
NSN	National Stock Number
NSP	Network Security Perimeter
NSP-CCB	Network Security Perimeter Configuration Control Board
NSR	NISN Service Request
NSSTC	National Space Science and Technology Center
NSTS	National Space Transportation System
NTE	Not To Exceed
NTP	Network Time Protocol
NTSC	National Television Standards Committee
O&C	Operations and Checkout

O&M	Operations and Maintenance
O/E	Optical to Electrical
OASIS	Reference Model for an Open Archival Information System
OC	Optical Carrier
OCC	Operations Control Center
OCI	Operations Control Instructions
OCLC	On-Line Computer Library Center
OCSO	Organization Computer Security Official
OD	Operations Document
ODC	Other Direct Cost
ODIN	Outsourcing Desktop Initiative for NASA
OEO	Optical to Electrical to Optical
OHF	Occupational Health Facility
OIG	Office of the Inspector General
OIS	Operational Intercommunications System
OIS-D	Operational Intercommunications System Digital
OIS-Q	Operational Intercommunications System Quintron
OJT	On-the-Job Training
OMB	Office of Management and Budget
OMD	Operations and Maintenance Documentation
OMI	Operation and Maintenance Instruction
OMRSD	Operations Maintenance Requirements Specification Document
OPF	Orbiter Processing Facility
OPR	Office of Primary Responsibility
OPS	Offnet Processor Subsystem
OR	Operations Requirements
OSB	Operational Support Building
OSB2	Operational Support Building Number 2
OSCU	Optic System Control Unit
OSHA	Occupational Safety and Health Administration
OTV	Operational Television
OTV-D	Operational Television Digital
PADD	Photographic Acquisition Distribution Document
PAFB	Patrick Air Force Base
PAMIS	Printing and Microimaging Information System
PAO	Public Affairs Office
PAWS	Paging and Area Warning System
PBR	Policy Based Routing
PC	Personal Computer
PCC	Photo Control Center
PCC	Processing Control Center
PCO	Program Controlled Output
PCO	Plessy Corning Optronics
PCM	Pulse Code Modulation
PDF	Portable Document Format

PDL	Ponce DeLeon
PDS	Premise Distribution System
PHSF	Payload Hazardous Servicing Facility
PIA	Privacy Impact Analysis
PIV	Personnel Identity Verification
PM	Program Manager
PMN	Program Model Number
PMS	Performance Measurement System
POA&M	Plan of Action & Milestones
POCC	Payload Operations Control Centers
POCS	Photo Optical Control System
POP	Program Operating Plan
POTS	Plain Old Telephone Service
PPBE	Program, Planning and Budget Execution
PRCB	Program Requirements Control Board
PRD	Program Requirements Document
PRI	Primary Rate Interface
PRP	Personnel Reliability Program
PRR	Payload Readiness Review
PS	Photosonic Camera
PSAP	Public Safety Answering Point
PSCN	Program Support Communications Network
PSCRD	Program Support Communications Requirements Document
psi	Pounds Per Square Inch
PSLA	Project Service Level Agreement
PTCR	Pad Terminal Connection Room
PTP	Point-to-Point
PTZ	Pan, Tilt, Zoom
PWS	Performance Work Statement
QA	Quality Assurance
QAE	Quality Assurance Evaluator
QC	Quality Control
QMS	Quality Management System
R&D	Research and Development
R&M	Reliability and Maintainability
RAB	Registration Accreditation Board.
RADIUS	Remote Authentication Dial In User Service
RAID	Redundant Array Inexpensive Disks
RAM	Random Access Memory
RAS	Reradiating Antenna System
RCDD	Registered Communication Distribution Designer
RCP	Radio Control Panel
RCRA	Resource Conservation and Recovery Act
RCU	Remote Control Unit

REV	Revision
RF	Radio Frequency
RFI	Radio Frequency Interference
RFIC	Request For Information/Clarification
RFID	Radio Frequency Identification
RFP	Request For Proposal
RFQ	Request for Quotation
RFS	Request for Service
RMAS	Remote Monitoring and Alarm System
RMS	Report Management System
ROCC	Range Operations Control Center
ROI	Range Operating Instruction
ROM	Read-Only Memory
ROM	Rough Order of Magnitude
RPS	Record and Playback Subsystem
RPSF	Rotation, Processing and Surge Facility
RRB	Risk Review Board
RS	Recommended Standard
RSA	Records Staging Area
RSU	Remote Service Unit
RTLS	Return To Launch Site
RTU	Remote Terminal Unit
RX	Receiver
S&MA	Safety and Mission Assurance
S/W	Software
SAA	System Assurance Analysis
SAN	Storage Area Network
SATERN	System for Administration, Training, and Educational Resources for NASA
SBIR	Small Business Innovative Research
SBU	Sensitive But Unclassified
SCA	Service Contract Act
SCADA	Supervisory Control And Data Acquisition
SCAPE	Self-Contained Atmospheric Protective Ensemble
SCD	Scheduled Completion Date
SD	Standard Definition
SDI	Serial Data Interface
SDLC	System Development Life Cycle
SDTI	Serial Digital Transport Interface
SE	Sustaining Engineering
SEI	Software Engineering Institute
SE&I	System Engineering and Integration
SEWP	Solutions for Enterprise-wide Procurement
SF	Standard Form
SLF	Shuttle Landing Facility
SLSL	Space Life Sciences Lab

SNMP	Simple Network Management Protocol
SOLAR	Site for On-line and Learning Resources
SONET	Synchronous Optical Network
SOP	Standard Operating Procedure
SOW	Statement of Work
SP	Special Publications
SPA	Shuttle Processing Area
SPECSINTACT	Specifications-Kept-Intact
SPOC	Space Processing Operations Contract
SR	Service Request
SR	South Repeater
SR&QA	Safety, Reliability, and Quality Assurance
SRAS	Secure Remote Access Services
SRB	Solid Rocket Booster
SSC	Stennis Space Center
SSL	Secure Sockets Layer
SSME	Space Shuttle Main Engine
SSPF	Space Station Processing Facility
STD.	Standard
STDN	Spaceflight Tracking and Data Network
STI	Scientific and Technical Information
STS	Space Transportation System
S-VHS	Super Video Home System
TAL	Transoceanic Abort Landing
TB	Test Board
TBD	To Be Determined
TC	Technical Control
TCC	Television Control Center
TCDT	Terminal Count Demonstration Test
TCIR	Total Case Incident Rate
TCRS	Training and Certification Record System
TCS	Transportable Communication System
TIFF/.tif	Tag Image File Format
TIM	Technical Interchange Meeting
TO	Technical Order
TO	Task Order
TPS	Thermal Protection System
TSR	Telephone Service Request
TT	Trouble Ticket
TTC	Telephone Terminal Cabinet
TTC	Temporary Test Configuration
TV	Television
TX	Transmitter
U.S.C.	United States Code

UHF	Ultra-High Frequency
um	Micrometer
UPS	Uninterruptible Power Supply
UPS	United Parcel Service
USB	Unified S-Band
UTC	Universal Time Code
VAA	Vehicle Assembly Area
VAB	Vehicle Assembly Building
VABR	Vertical Assembly Building Repeater
VAFB	Vandenberg Air Force Base
VASS	ViTS Automated Scheduling System
VAX	Virtual Address Extension
VCR	Video Cassette Recorder
VDL	VHF Data Link
VDMS	Voice Distribution Management System
VHF	Very High Frequency
VIP	Very Important Person
VITC	Video Teleconference
ViTS	Video Teleconferencing System
VLAN	Virtual Local Area Network
VoIP (VOIP)	Voice Over Internet Protocol
VoTS	Voice Teleconferencing System
VPF	Vertical Processing Facility
VPN	Virtual Private Network
VPP	Voluntary Protection Program
WAN	Wide Area Network
WBS	Work Breakdown Structure
WBTS	Wideband Transmission System
WDM	Wavelength Division Multiplexer
WebTADS	Web Time and Attendance Distribution System
WFF	Wallops Flight Facility
WINS	Windows Internet Naming Service
WLI	Workload Indicator
WR	Western Range
WSC	White Sands Complex
WUC	Work Unit Code
WYE	Work Year Equivalent